



UT

UT2F/GM-0ESY

Ultra.M30,2x NPN-NO/NC,M12 plug,Diffuse

M30 CYLINDRICAL DIRECT DIFFUSE &  
RETRO-REFLECTIVE ULTRASONIC SENSOR WITH  
TEACH-IN BUTTON

## OVERVIEW

- M30 ultrasonic sensor with standard housing and with large front with high performances and high sensing distances
- Adjustable hysteresis function: models with double digital programmable output specific for level detection
- Models with voltage or current output: programmable slope to optimize resolution
- Adjustable working area (window mode or object mode) by Teach-in button on all models for a quick and easy installation
- Two multifunction LEDs: orange LED for adjustment procedure and output type and green LED for target alignment
- Plastic and AISI 316L stainless steel housing, plug M12 or cable exit 4 pin

## TECHNICAL FEATURES

Detection properties

Nominal sensing distance

Thermal drift of Sr

Repeat Accuracy

Beam angle

Resolution

|                                       |                 |
|---------------------------------------|-----------------|
| Sensitivity adjustment                | Teach-in button |
| Hysteresis                            |                 |
| thermal compensation                  |                 |
| Minimum sensing distance (blind zone) |                 |
| Linearity error                       |                 |

Application

|                    |                    |
|--------------------|--------------------|
| Function Principle | Diffuse reflection |
|--------------------|--------------------|

Outputs

|                     |                      |
|---------------------|----------------------|
| Output type         | 2x NPN               |
| Output Function     | NO/NC multifunctions |
| Switching frequency |                      |
| Response time       |                      |

Electrical data

|                        |  |
|------------------------|--|
| Operating Voltage      |  |
| No-Load supply current |  |
| Load current           |  |
| Leakage current        |  |
| Output voltage drop    |  |

|                                  |          |
|----------------------------------|----------|
| Max ripple content               |          |
| LED indicators                   |          |
| Time delay before availability   |          |
| Short-circuit protection         |          |
| Reverse Polarity Protection      |          |
| Impulsive Overvoltage Protection |          |
|                                  |          |
| Mechanical data                  |          |
| Dimensions                       |          |
| Housing material                 |          |
| Weight                           |          |
| Connections                      | M12 Plug |
| Tightening torque                |          |
| Operating temperature            |          |
| Storage temperature              |          |
| Transducer Frequency             |          |
| Diameter/Dimension               | M30      |
|                                  |          |
| Test/Approvals                   |          |
| Approvals                        |          |

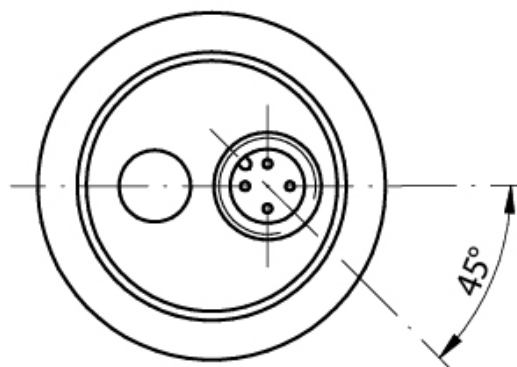
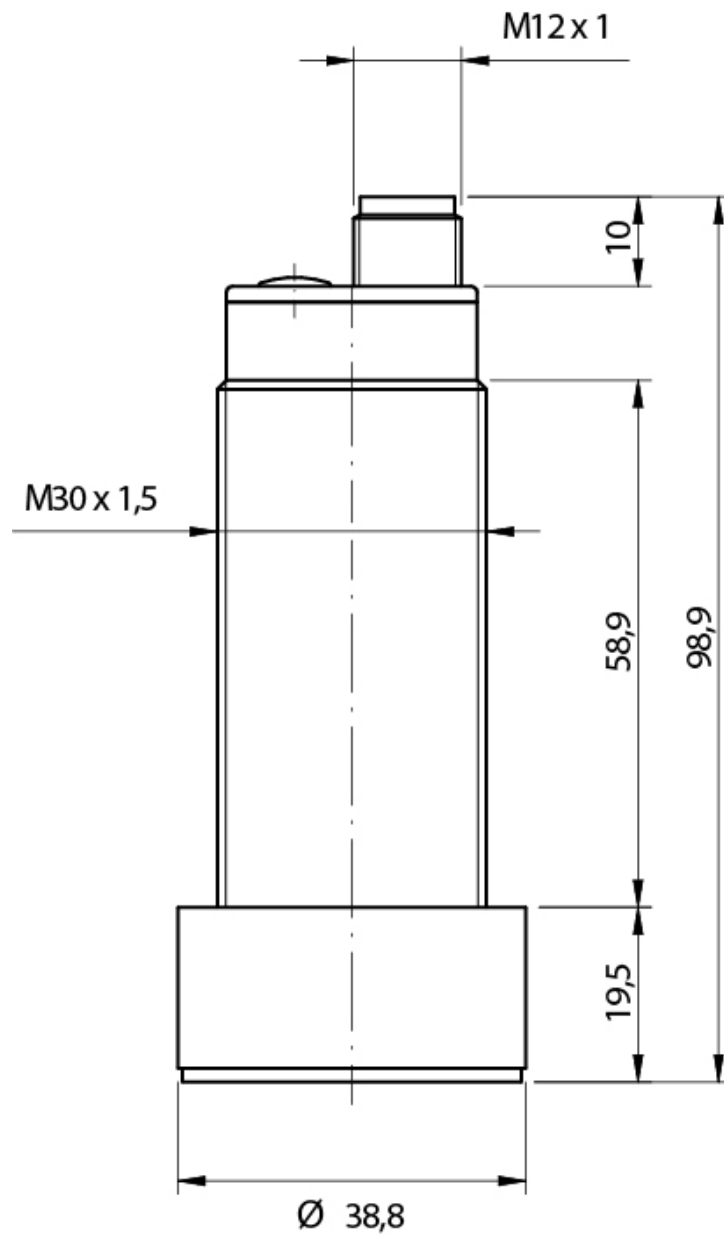
|                       |
|-----------------------|
| EMC compatibility     |
| Shocks and vibrations |
| Degree of protection  |

|                      |
|----------------------|
| Accessories          |
| Supplied Accessories |

|                       |
|-----------------------|
| Generical Data        |
| Dimensions            |
| Operating Temperature |
| Mechanical Protection |

# OTHERS

## Dimensions



**S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
[info@datasensing.com](mailto:info@datasensing.com)

**printing**

10/08/2026  
05:29:59